

**Amendments to the Claims:**

A complete listing of the claims follows. Please cancel claims 1-30 and 32 in the original application as indicated below. Claim 31 remains the same as originally presented in the application.

1-30. (Cancelled)

31. (Original) An optical filter that generates double pass Fabry-Perot transmission characteristics, the filter comprising:

- a) a single-polarization fiber isolator that generates a polarized optical signal beam having a single polarization;
- b) a polarization beam splitter in optical communication with the polarization fiber isolator, the polarization beam splitter passing the polarized optical signal beam through one port;
- c) a Fabry-Perot filter in optical communication with the polarized optical signal beam; and
- d) a Faraday mirror in optical communication with the Fabry-Perot filter, the Faraday mirror modifying the polarization of the signal beam and reflecting the signal beam back to the Fabry-Perot filter and the polarization beam splitter, wherein the beam splitter directs the signal beam having the modified polarization through a second port, thereby generating the double pass Fabry-Perot transfer function.

32. (Cancelled)